

Grape Disease Risk, 7-10-2009

No data for New Preston, CT this week due to leaf wetness sensor malfunction

Colchester, CT Black Rot - Grape From 2009-06-28 To 2009-07-10

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
06/28	69.0	64.0	24.0	3.71	Infection Risk
06/29	71.9	66.5	24.0	7.78	Infection Risk
06/30	73.2	68.0	22.8	11.70	Infection Risk
07/01	72.3	69.3	24.0	15.89	Infection Risk
07/02	71.2	67.2	24.0	20.00	Infection Risk
07/03	70.6	67.8	24.0	24.16	Infection Risk
07/04	70.8	66.7	24.0	28.26	Infection Risk
07/05	71.1	66.1	20.0	31.63	Infection Risk
07/06	73.1	67.1	24.0	35.74	Infection Risk
07/07	72.2	68.4	24.0	39.91	Infection Risk
07/08	69.6	65.2	24.0	43.84	Infection Risk
07/09	68.8	65.3	24.0	47.69	Infection Risk
07/10	65.9	63.3	12.8	49.55	Infection Risk

Colchester, CT Downy Mildew - Grape From 2009-06-28 To 2009-07-10

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	>95%RH	Risk	Warning
06/28	69.0	0.0	24.0	9.5	0.3	1	Primary Infection
06/29	71.9	>min	24.0	8.3	8.3	3	High Risk of Infection
06/30	73.2	>min	22.8	5.8	5.8	3	High Risk of Infection
07/01	72.3	>min	0.06	24.0	9.5	9.5	3 High Risk of Infection
07/02	71.2	>min	0.58	24.0	14.3	14.3	3 High Risk of Infection
07/03	70.6	>min	0.21	24.0	14.3	14.3	3 High Risk of Infection
07/04	70.8	>min	24.0	5.3	5.3	3	High Risk of Infection
07/05	71.1	>min	20.0	0.0	0.0	0	
07/06	73.1	>min	24.0	4.5	4.5	3	High Risk of Infection
07/07	72.2	>min	0.56	24.0	8.8	8.8	3 High Risk of Infection
07/08	69.6	>min	0.94	24.0	9.0	4.5	3 High Risk of Infection
07/09	68.8	>min	0.01	24.0	2.3	2.0	3 High Risk of Infection
07/10	65.9	>min	12.8	6.8	0.0	1	Possible Infection

Colchester, CT Powdery Mildew - Grape From 2009-06-28 To 2009-07-10

Date	High Temp	Mean 70-85	Hours >95	Wet Hours	Ascospore Infection Index	Conidial
06/28	69.0	65.7	0.0	0.0	19.5	Heavy

06/29	71.9	68.7	6.8	0.0	19.3	Heavy	
06/30	73.2	70.5	13.8	0.0	15.3	Heavy	
07/01	72.3	70.0	6.8	0.0	24.0	Heavy	60 Heavy
07/02	71.2	68.8	6.3	0.0	24.0	Heavy	80 Heavy
07/03	70.6	69.4	8.3	0.0	23.8	Heavy	100 Heavy
07/04	70.8	68.7	6.8	0.0	17.0	Heavy	100 Heavy
07/05	71.1	68.5	6.5	0.0	4.8		100 Heavy
07/06	73.1	69.8	9.5	0.0	17.5	Heavy	100 Heavy
07/07	72.2	69.6	5.3	0.0	22.3	Heavy	90 Heavy
07/08	69.6	67.1	0.0	0.0	21.8	Heavy	80 Heavy
07/09	68.8	66.3	0.0	0.0	24.0	Heavy	70 Heavy
07/10	65.9	64.4	0.0	0.0	13.3	Heavy	60 Heavy

Colchester, CT Phomopsis Cane+Leaf Spot - Grape From 2009-06-28 To 2009-07-10

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Catawba	Intensity Seyval
06/28	65.7	24.0	0.00	0.0	0.0	0	0
06/29	68.7	24.0	0.00	0.0	0.0	0	0
06/30	70.5	24.0	0.00	0.0	0.0	0	0
07/01	70.0	24.0	0.06	11.5	69.5	52 Moderate	86 Moderate
07/02	68.8	24.0	0.58	35.5	69.0	262 High	278 High
07/03	69.4	24.0	0.21	59.5	69.2	547 High	475 High
07/04	68.7	24.0	0.00	83.5	69.0	892 High	677 High
07/05	68.5	24.0	0.00	107.5	68.9	1284 High	881 High
07/06	69.8	24.0	0.00	131.5	69.1	1704 High	1085 High
07/07	69.6	24.0	0.56	155.5	69.2	2160 High	1291 High
07/08	67.1	24.0	0.94	179.5	68.9	2675 High	1502 High
07/09	66.3	24.0	0.01	203.5	68.6	3228 High	1715 High
07/10	64.4	12.8	0.00	216.8	68.3	3558 High	1834 High

Windsor, CT Black Rot - Grape From 2009-06-28 To 2009-07-10

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
06/28	75.3	69.0	24.0	4.08	Infection Risk
06/29	78.1	69.6	24.0	8.00	Infection Risk
06/30	82.0	70.8	24.0	11.64	Infection Risk
07/01	76.7	71.7	24.0	15.67	Infection Risk
07/02	72.6	68.7	24.0	19.83	Infection Risk
07/03	73.1	68.7	24.0	23.98	Infection Risk
07/04	74.3	68.1	24.0	28.10	Infection Risk
07/05	76.2	66.1	24.0	32.06	Infection Risk
07/06	79.5	67.8	24.0	35.88	Infection Risk
07/07	75.5	70.8	24.0	39.94	Infection Risk
07/08	75.6	67.9	24.0	44.00	Infection Risk

07/09 71.5 67.3 24.0 48.13 Infection Risk
 07/10 69.8 64.2 12.8 50.15 Infection Risk

Windsor, CT Downy Mildew - Grape From 2009-06-28 To 2009-07-10

Date	Temp	Hrs43	Fall	Hours	43-86	66-77	Risk	Warning	
06/28	75.3	0.0	24.0	3.0	3.0	1	Primary	Infection	
06/29	78.1	>min	24.0	4.0	4.0	3	High Risk of	Infection	
06/30	82.0	>min	0.25	24.0	1.8	1.8	3	High Risk of	Infection
07/01	76.7	>min	0.34	24.0	8.0	8.0	3	High Risk of	Infection
07/02	72.6	>min	0.89	24.0	10.0	10.0	3	High Risk of	Infection
07/03	73.1	>min	0.16	24.0	11.0	11.0	3	High Risk of	Infection
07/04	74.3	>min	24.0	6.5	6.5	3	High Risk of	Infection	
07/05	76.2	>min	24.0	0.0	0.0	0			
07/06	79.5	>min	24.0	1.8	1.8	3	High Risk of	Infection	
07/07	75.5	>min	0.29	24.0	3.5	3.5	3	High Risk of	Infection
07/08	75.6	>min	0.07	24.0	7.5	7.5	3	High Risk of	Infection
07/09	71.5	>min	24.0	0.3	0.3	0			
07/10	69.8	>min	12.8	7.0	4.0	3	High Risk of	Infection	

Windsor, CT Powdery Mildew - Grape From 2009-06-28 To 2009-07-10

Date	High	Mean	Hours	70-85	Hours	Wet	Ascospore	Conidial
06/28	75.3	71.9	17.0	0.0	24.0	Heavy		
06/29	78.1	73.4	19.5	0.0	24.0	Heavy		
06/30	82.0	76.1	24.0	0.0	23.5	Heavy	60	Heavy
07/01	76.7	73.3	24.0	0.0	24.0	Heavy	80	Heavy
07/02	72.6	70.7	15.5	0.0	24.0	Heavy	100	Heavy
07/03	73.1	71.1	17.3	0.0	24.0	Heavy	100	Heavy
07/04	74.3	71.0	14.8	0.0	20.0	Heavy	100	Heavy
07/05	76.2	71.3	13.3	0.0	12.3		100	Heavy
07/06	79.5	73.6	17.0	0.0	16.8	Heavy	100	Heavy
07/07	75.5	72.9	24.0	0.0	23.3	Heavy	100	Heavy
07/08	75.6	71.5	14.8	0.0	23.8	Heavy	100	Heavy
07/09	71.5	69.0	3.3	0.0	21.0	Heavy	90	Heavy
07/10	69.8	66.1	0.0	0.0	13.3	Heavy	80	Heavy

Windsor, CT Phomopsis Cane+Leaf Spot - Grape From 2009-06-28 To 2009-07-10

Date	Temp	Wet	Rain-	Wet+	Wet	Disease	Intensity
06/28	71.9	24.0	0.00	0.0	0.0	0	0
06/29	73.4	24.0	0.00	0.0	0.0	0	0

06/30	76.1	24.0	0.25	3.8	78.9	6	Light	20	Light
07/01	73.3	24.0	0.34	27.8	74.1	146	High	196	High
07/02	70.7	24.0	0.89	51.8	72.5	390	High	390	High
07/03	71.1	24.0	0.16	75.8	72.1	687	High	586	High
07/04	71.0	24.0	0.00	99.8	71.8	1032	High	784	High
07/05	71.3	24.0	0.00	123.8	71.7	1412	High	983	High
07/06	73.6	24.0	0.00	147.8	72.0	1792	High	1175	High
07/07	72.9	24.0	0.29	171.8	72.1	2209	High	1371	High
07/08	71.5	24.0	0.07	195.8	72.1	2674	High	1573	High
07/09	69.0	24.0	0.00	219.8	71.7	3205	High	1786	High
07/10	66.1	12.8	0.00	233.0	71.4	3536	High	1910	High

Griswold, CT Black Rot - Grape From 2009-06-28 To 2009-07-10

Date	High Temp	Low Temp	Wet Hours	Daily Risk	Warning
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06/28	73.4	70.4	13.0	1.51	Infection Risk
06/29	73.4	69.6	13.3	2.30	Infection Risk
06/30	76.2	69.4	11.8	2.24	Infection Risk
07/01	74.6	66.4	22.5	4.32	Infection Risk
07/02	72.5	67.6	14.8	6.04	Infection Risk
07/03	74.8	70.5	13.3	3.08	Infection Risk
07/04	75.3	70.2	8.8	4.59	Infection Risk
07/05	75.5	69.6	9.0	1.16	Infection Risk
07/06	75.5	69.9	12.3	1.83	Infection Risk
07/07	73.9	69.3	23.0	4.60	Infection Risk
07/08	72.9	67.4	14.0	6.21	Infection Risk
07/09	71.7	69.1	11.0	1.99	Infection Risk
07/10	69.8	66.7	9.0	2.23	Infection Risk

Griswold, CT Downy Mildew - Grape From 2009-06-28 To 2009-07-10

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	>95%RH	Risk	Warning
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06/28	73.4	0.0	0.01	13.0	9.5	9.5	1	Primary Infection
06/29	73.4	>min		13.3	6.8	6.8	3	High Risk of Infection
06/30	76.2	>min		11.8	7.5	7.5	3	High Risk of Infection
07/01	74.6	>min	2.47	22.5	11.0	11.0	3	High Risk of Infection
07/02	72.5	>min	0.75	14.8	12.8	12.8	3	High Risk of Infection
07/03	74.8	>min	0.44	13.3	9.5	9.5	3	High Risk of Infection
07/04	75.3	>min		8.8	7.0	7.0	3	High Risk of Infection
07/05	75.5	>min		9.0	0.0	0.0	0	
07/06	75.5	>min		12.3	7.8	7.8	3	High Risk of Infection
07/07	73.9	>min	1.26	23.0	18.8	18.8	3	High Risk of Infection
07/08	72.9	>min	0.63	14.0	9.0	9.0	3	High Risk of Infection
07/09	71.7	>min		11.0	2.8	2.8	3	High Risk of Infection

07/10 69.8 >min 9.0 8.0 8.0 3 High Risk of Infection

Griswold ,CT Powdery Mildew - Grape From 2009-06-28 To 2009-07-10

Date	Temperature High	Temperature Mean	Hours 70-85	Hours >95	Wet Hours	Ascospore Infection	Conidial Index
06/28	73.4	71.6	24.0	0.0	12.5		
06/29	73.4	71.3	19.3	0.0	12.8	Heavy	
06/30	76.2	72.7	20.0	0.0	11.8	Heavy	60 Heavy
07/01	74.6	70.8	14.0	0.0	22.5	Heavy	80 Heavy
07/02	72.5	69.7	8.8	0.0	14.3	Heavy	100 Heavy
07/03	74.8	72.5	24.0	0.0	12.8	Heavy	100 Heavy
07/04	75.3	72.7	24.0	0.0	8.8	Heavy	100 Heavy
07/05	75.5	72.6	20.8	0.0	8.5		100 Heavy
07/06	75.5	72.8	22.8	0.0	12.3		100 Heavy
07/07	73.9	71.0	20.5	0.0	22.8	Heavy	100 Heavy
07/08	72.9	69.6	9.5	0.0	14.0	Heavy	100 Heavy
07/09	71.7	70.1	13.0	0.0	11.0		100 Heavy
07/10	69.8	67.8	0.0	0.0	9.0	Heavy	90 Heavy

Griswold, CT Phomopsis Cane+Leaf Spot - Grape From 2009-06-28 To 2009-07-10

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Catawba	Intensity Seyval
06/28	71.6	23.0	0.01	13.0	71.1	58 Moderate	95 High
06/29	71.3	22.3	0.00	0.0	0.0	0	0
06/30	72.7	20.3	0.00	0.0	0.0	0	0
07/01	70.8	24.0	2.47	18.3	69.9	98 High	138 High
07/02	69.7	24.0	0.75	42.3	69.8	328 High	331 High
07/03	72.5	22.8	0.44	59.3	70.3	522 High	468 High
07/04	72.7	16.0	0.00	0.0	0.0	0	0
07/05	72.6	11.3	0.00	0.0	0.0	0	0
07/06	72.8	16.8	0.00	0.0	0.0	0	0
07/07	71.0	24.0	1.26	14.0	70.4	66 Moderate	104 High
07/08	69.6	21.0	0.63	33.5	69.6	238 High	261 High
07/09	70.1	14.5	0.00	13.5	70.9	62 Moderate	100 High
07/10	67.8	13.0	0.00	0.0	0.0	0	0

Clarkdale, MA Black Rot - Grape From 2009-06-28 To 2009-07-10

Date	High Temp	Low Temp	Wet Daily Hours	Risk Warning
06/28			0.00	
06/29			0.00	
06/30			0.00	

07/01	67.2	67.2	0.5	0.08	
07/02	67.1	65.2	24.0	3.85	Infection Risk
07/03	68.9	64.5	14.3	6.09	Infection Risk
07/04	69.2	66.6	7.5	7.32	Infection Risk
07/05	68.8	65.4	6.0	0.54	
07/06	69.9	65.7	10.8	1.94	Infection Risk
07/07	69.7	67.1	16.3	3.19	Infection Risk
07/08	68.8	65.9	16.3	5.94	Infection Risk
07/09	68.4	66.0	11.0	7.12	Infection Risk
07/10	67.9	65.0	9.0	2.15	Infection Risk

Clarkdale, MA Downy Mildew - Grape From 2009-06-28 To 2009-07-10

High Deg Rain Wet Hours>95%RH

Date Temp Hrs43 Fall Hours 43-86 66-77 Risk Warning

06/28			0.0	0.0	0	
06/29			0.0	0.0	0	
06/30			0.0	0.0	0	
07/01	67.2	0.0	0.5	0.0	0.0	0 Primary Infection
07/02	67.1	>min	0.49	24.0	15.8	5.8 3 High Risk of Infection
07/03	68.9	>min	14.3	8.3	0.0	1 Possible Infection
07/04	69.2	>min	0.01	7.5	1.8	1.8 3 High Risk of Infection
07/05	68.8	>min	6.0	0.0	0.0	0
07/06	69.9	>min	10.8	3.0	3.0	3 High Risk of Infection
07/07	69.7	>min	1.21	16.3	7.8	7.8 3 High Risk of Infection
07/08	68.8	>min	0.10	16.3	8.0	8.0 3 High Risk of Infection
07/09	68.4	>min	11.0	1.3	1.3	3 High Risk of Infection
07/10	67.9	>min	9.0	7.5	7.0	3 High Risk of Infection

Clarkdale, MA Powdery Mildew - Grape From 2009-06-28 To 2009-07-10

Temperature Hours Hours Wet Ascospore Conidial

Date High Mean 70-85 >95 Hours Infection Index

06/28		0.0	0.0	0.0	
06/29		0.0	0.0	0.0	
06/30		0.0	0.0	0.0	
07/01	67.2	67.2	0.0	0.0	0.5
07/02	67.1	65.8	0.0	0.0	24.0 Heavy
07/03	68.9	66.0	0.0	0.0	13.3 Heavy
07/04	69.2	67.9	0.0	0.0	7.5
07/05	68.8	67.1	0.0	0.0	6.0
07/06	69.9	67.6	0.0	0.0	10.5
07/07	69.7	68.3	0.0	0.0	16.3 Heavy
07/08	68.8	67.5	0.0	0.0	16.3 Heavy
07/09	68.4	67.1	0.0	0.0	11.0 Heavy
07/10	67.9	66.2	0.0	0.0	9.0 Heavy

Clarkdale, MA Phomopsis Cane+Leaf Spot - Grape From 2009-06-28 To 2009-07-10

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Catawba	Intensity Seyval
06/28	0.0	0.0	0.0	0	0	0	
06/29	0.0	0.0	0.0	0	0	0	
06/30	0.0	0.0	0.0	0	0	0	
07/01	67.2	0.5	0.00	0.0	0.0	0	0
07/02	65.8	24.0	0.49	20.8	65.6	131 High	159 High
07/03	66.0	22.5	0.00	37.5	65.4	305 High	294 High
07/04	67.9	12.8	0.01	6.8	67.6	25 Light	50 Moderate
07/05	67.1	8.3	0.00	0.0	0.0	0	0
07/06	67.6	15.5	0.00	0.0	0.0	0	0
07/07	68.3	17.8	1.21	15.8	68.4	84 Moderate	120 High
07/08	67.5	18.5	0.10	23.0	68.1	145 High	178 High
07/09	67.1	13.0	0.00	15.0	68.0	79 Moderate	114 High
07/10	66.2	11.8	0.00	0.0	0.0	0	0

Belchertown, MA Black Rot - Grape From 2009-07-03 To 2009-07-10

Date	High Temp	Low Temp	Wet Daily Hours	Risk Warning
07/03	6.7	0.0	0.00	
07/04	6.3	0.0	0.00	
07/05	4.5	0.0	0.00	
07/06	1.6	0.0	0.00	
07/07	4.5	0.0	0.00	
07/08	7.4	0.0	0.00	
07/09	6.7	0.0	0.00	
07/10	2.5	0.0	0.00	

Belchertown, MA Downy Mildew - Grape From 2009-07-03 To 2009-07-10

Date	High Temp	Deg Hrs43	Rain Fall	Wet Hours	>95%RH 43-86	66-77 Risk Warning
07/03	6.7	0.31	0.0	0.0	0	
07/04	6.3		0.0	0.0	0	
07/05	4.5		0.0	0.0	0	
07/06	1.6		0.0	0.0	0	
07/07	4.5	0.47	0.0	0.0	0	
07/08	7.4	0.04	0.0	0.0	0	
07/09	6.7		0.0	0.0	0	
07/10	2.5		0.0	0.0	0	

Belchertown, MA Powdery Mildew - Grape From 2009-07-03 To 2009-07-10

Temperature Hours Hours Wet Ascospore Conidial
Date High Mean 70-85 >95 Hours Infection Index

07/03	6.7	1.4	0.0	0.0	16.0
07/04	6.3	2.8	0.0	0.0	8.8
07/05	4.5	1.1	0.0	0.0	7.0
07/06	1.6	0.3	0.0	0.0	8.0
07/07	4.5	1.2	0.0	0.0	13.5
07/08	7.4	1.9	0.0	0.0	15.3
07/09	6.7	2.2	0.0	0.0	12.3
07/10	2.5	0.6	0.0	0.0	8.3

Belchertown, MA Phomopsis Cane+Leaf Spot - Grape From 2009-07-03 To 2009-07-10

Temp Wet Rain- Wet+ Wet Disease Intensity
Date Mean Hours Fall Rain Temp Catawba Seyval

07/03	1.4	0.0	0.31	11.5	1.3	0	0
07/04	2.8	0.0	0.00	30.5	2.5	0	0
07/05	1.1	0.0	0.00	0.0	0.0	0	0
07/06	0.3	0.0	0.00	0.0	0.0	0	0
07/07	1.2	0.0	0.47	18.3	1.2	0	0
07/08	1.9	0.0	0.04	75.5	1.5	0	0
07/09	2.2	0.0	0.00	60.0	1.9	0	0
07/10	0.6	0.0	0.00	0.0	0.0	0	0

Newport, RI Black Rot - Grape From 2009-07-03 To 2009-07-10

High Low Wet Daily
Date Temp Temp Hours Risk Warning

07/03	-888.9-888.9	0.00
07/04	-888.9-888.9	0.00
07/05	-888.9-888.9	0.00
07/06	-888.9-888.9	0.00
07/07	-888.9-888.9	0.00
07/08	65.9-888.9	0.8 0.12
07/09	-888.9-888.9	0.12
07/10	-888.9-888.9	0.00

Newport, RI Downy Mildew - Grape From 2009-07-03 To 2009-07-10

High Deg Rain Wet Hours>95%RH
Date Temp Hrs43 Fall Hours 43-86 66-77 Risk Warning

07/03	-888.9	0.0	0.0	0
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07/04	-888.9		0.0	0.0	0	
07/05	-888.9		0.0	0.0	0	
07/06	-888.9		0.0	0.0	0	
07/07	-888.9		0.0	0.0	0	
07/08	65.9	0.0	0.8	0.0	0.0	0 Primary Infection
07/09	-888.9	0.0		0.0	0.0	0
07/10	-888.9	0.0		0.0	0.0	0

Newport, RI Powdery Mildew - Grape From 2009-07-03 To 2009-07-10

Date	High	Mean	Hours 70-85	Wet Hours >95	Ascospore Infection	Conidial Index
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07/03	-888.9	-888.9	0.0	0.0	20.3	
07/04	-888.9	-888.9	0.0	0.0	8.8	
07/05	-888.9	-888.9	0.0	0.0	0.0	
07/06	-888.9	-888.9	0.0	0.0	19.8	
07/07	-888.9	-888.9	0.0	0.0	24.0	
07/08	65.9	-868.4	0.0	0.0	15.5	
07/09	-888.9	-888.9	0.0	0.0	10.8	
07/10	-888.9	-888.9	0.0	0.0	7.0	

Newport, RI Phomopsis Cane+Leaf Spot - Grape From 2009-07-03 To 2009-07-10

Date	Temp Mean	Wet Hours	Rain- Fall	Wet+ Rain	Wet Temp	Disease Catawba	Intensity Seyval
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07/03	-888.9	0.0	-85332.52	0.0	0.0	0	0
07/04	-888.9	0.0	-85332.52	0.0	0.0	0	0
07/05	-888.9	0.0	-85332.52	0.0	0.0	0	0
07/06	-888.9	0.0	-85332.52	0.0	0.0	0	0
07/07	-888.9	0.0	-85332.52	0.0	0.0	0	0
07/08	-868.4	0.8	-80887.85	6.5	5.1	0	0
07/09	-888.9	0.0	-85332.52	23.5	1.4	0	0
07/10	-888.9	0.0	-48888.39	0.0	0.0	0	0

Hamden, CT Black Rot - Grape From 2009-07-03 To 2009-07-10

Date	High	Low	Wet Temp	Daily Hours	Risk	Warning
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07/03	70.5	68.2	15.8	2.74	Infection Risk	
07/04	70.9	68.5	8.5	4.08	Infection Risk	
07/05	70.3	67.4	8.5	0.95		
07/06	70.5	67.3	10.3	1.90	Infection Risk	
07/07	69.7	62.2	16.3	3.32	Infection Risk	
07/08	69.1	62.2	10.3	4.52	Infection Risk	
07/09	68.7	66.7	11.5	1.62	Infection Risk	

07/10 67.8 64.8 7.5 1.90 Infection Risk

Hamden, CT Downy Mildew - Grape From 2009-07-03 To 2009-07-10

High Deg Rain Wet Hours>95%RH

Date Temp Hrs43 Fall Hours 43-86 66-77 Risk Warning

07/03	70.5	0.0	0.01	15.8	7.5	7.5	1	Primary Infection
07/04	70.9	>min		8.5	1.0	1.0	3	High Risk of Infection
07/05	70.3	>min		8.5	0.3	0.3	0	
07/06	70.5	>min		10.3	4.5	4.5	3	High Risk of Infection
07/07	69.7	>min	1.25	16.3	9.8	9.3	3	High Risk of Infection
07/08	69.1	>min	0.02	10.3	8.0	0.0	1	Possible Infection
07/09	68.7	>min		11.5	3.3	3.3	3	High Risk of Infection
07/10	67.8	>min		7.5	6.3	3.5	3	High Risk of Infection

Hamden, CT Powdery Mildew - Grape From 2009-07-03 To 2009-07-10

Temperature Hours Hours Wet Ascospore Conidial

Date High Mean 70-85 >95 Hours Infection Index

07/03	70.5	69.4	7.5	0.0	13.0	Heavy
07/04	70.9	69.7	9.0	0.0	7.3	Heavy
07/05	70.3	69.0	5.5	0.0	8.3	
07/06	70.5	69.1	7.5	0.0	10.3	
07/07	69.7	68.8	0.0	0.0	15.8	Heavy
07/08	69.1	66.9	0.0	0.0	9.5	Heavy
07/09	68.7	67.4	0.0	0.0	10.5	
07/10	67.8	65.8	0.0	0.0	7.0	

Hamden, CT Phomopsis Cane+Leaf Spot - Grape From 2009-07-03 To 2009-07-10

Temp Wet Rain- Wet+ Wet Disease Intensity

Date Mean Hours Fall Rain Temp Catawba Seyval

07/03	69.4	24.0	0.01	10.3	70.1	43	Moderate	76	Moderate
07/04	69.7	19.3	0.00	28.5	69.6	188	High	220	High
07/05	69.0	19.0	0.00	0.0	0.0	0	0		
07/06	69.1	19.5	0.00	0.0	0.0	0	0		
07/07	68.8	24.0	1.25	10.3	69.2	44	Moderate	76	Moderate
07/08	66.9	19.8	0.02	25.8	67.1	174	High	201	High
07/09	67.4	18.3	0.00	0.0	0.0	0	0		
07/10	65.8	13.8	0.00	0.0	0.0	0	0		